

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) An apparatus for processing a signal, comprising:
2 a signal dispensing unit for dispensing an output signal output from a personal computer in
3 the form of an analog or digital signal;
4 a signal processing unit for performing picture-in-picture signal processing enabling one of
5 a digital personal computer signal generated by [[the]] said signal dispensing unit and a decoded first
6 signal input from an outside source to be displayed on a main screen and the other to be displayed
7 on at least one sub-screen, and for processing [[the]] said first signal to be displayed alone on [[the]]
8 said main screen, [[the]] said first signal being any one of a television signal and a video signal;
9 an outputting unit for outputting [[an]] said analog personal computer signal generated from
10 [[the]] said signal dispensing unit in response to a control signal for displaying only [[the]] said
11 personal computer signal, and outputting an output signal of [[the]] said signal processing unit in
12 response to a control signal for displaying [[the]] said personal computer signal and [[the]] said first
13 signal in picture-in-picture format; and
14 a monitor for amplifying the signal output from [[the]] said outputting unit to be displayed.

1 2. (Currently Amended) The apparatus of claim 1, further comprising a signal conversion
2 unit for converting [[the]] said picture-in-picture signal output from [[the]] said signal processing
3 unit into an analog signal before a signal is output from [[the]] said outputting unit.

1 3. (Currently Amended) The apparatus of claim 1, with [[the]] said signal processing unit,
2 comprising:

3 a decoding unit converting [[the]] said first signal into a digital signal and decoding [[the]]
4 said first signal;

5 a scan rate conversion unit for converting a scan rate of [[the]] said decoded first signal; and
6 a signal processing unit for performing a picture-in-picture signal process on [[the]] said first
7 signal whose scan rate is converted and [[the]] said digital personal computer signal, so that one of
8 [[the]] said first signal and [[the]] said digital personal computer signal is displayed on [[the]] said
9 main screen and the other of [[the]] said first signal and [[the]] said digital personal computer signal
10 is displayed on the plurality of sub-screens, or for processing [[the]] said first signal to be displayed
11 alone on [[the]] said main screen.

1 4. (Currently Amended) The apparatus of claim 1, with [[the]] said decoded first signal input
2 from an outside source, further comprising:

3 a decoding unit converting [[the]] said first signal into a digital signal and decoding [[the]]
4 said first signal; and

5 a scan rate conversion unit for converting a scan rate of [[the]] said decoded first signal.

1 5. (Currently Amended) The apparatus of claim 2, with [[the]] said decoded first signal input
2 from an outside source, further comprising:

3 a decoding unit converting [[the]] said first signal into a digital signal and decoding [[the]]
4 said first signal; and

5 a scan rate conversion unit for converting a scan rate of [[the]] said decoded first signal.

1 6. (Currently Amended) A method for processing a signal, comprising the steps of:
2 dispensing an output signal output from a personal computer in the form of an analog or
3 digital signal;

4 performing picture-in-picture signal processing enabling one of a digital personal computer
5 signal generated by the step of dispensing [[the]] said output signal and a decoded first signal input
6 from an outside source to be displayed on a main screen and the other to be displayed on at least one
7 sub-screen, and for processing [[the]] said first signal to be displayed alone on [[the]] said main
8 screen, [[the]] said first signal being any one of a television signal and a video signal;

9 outputting [[an]] said analog personal computer signal generated from the step of dispensing
10 an output signal in response to a control signal for displaying only [[the]] said personal computer
11 signal, and outputting an output signal of the step of performing picture-in-picture signal processing
12 in response to a control signal for displaying [[the]] said personal computer signal and [[the]] said
13 first signal in picture-in-picture format;

14 amplifying the signal output from the step of outputting [[the]] said analog personal computer
15 signal; and
16 displaying [[the]] said amplified signal output.

1 7. (Currently Amended) The method of claim 6, further comprising the step of converting
2 [[the]] said picture-in-picture signal output from the step of performing picture-in-picture signal
3 processing into an analog signal before a signal is output from the step of outputting [[the]] said
4 analog personal computer signal.

1 8. (Currently Amended) The method of claim 6, with [[the]] said decoded first signal input
2 from an outside source, further comprising:
3 converting [[the]] said first signal into a digital signal and decoding [[the]] said first signal;
4 and
5 converting a scan rate of [[the]] said decoded first signal.

1 9. (Currently Amended) The method of claim 7, with [[the]] said decoded first signal input
2 from an outside source, further comprising:
3 converting [[the]] said first signal into a digital signal and decoding [[the]] said first signal;
4 and
5 converting a scan rate of [[the]] said decoded first signal.

1 10. (Currently Amended) An apparatus for processing a signal, comprising:

2 a personal computer generating an output signal accommodating a display of an image
3 generated by [[the]] said personal computer;

4 a signal dispensing unit dispensing [[the]] said output signal from [[the]] said personal
5 computer;

6 a signal processing unit performing picture-in-picture signal processing enabling one of
7 [[the]] said output signal from [[the]] said personal computer signal generated by [[the]] said signal
8 dispensing unit and a decoded video signal input from an outside source to be displayed on a main
9 screen and the other to be displayed on at least one sub-screen, and for processing [[the]] said video
10 signal to be displayed alone on [[the]] said main screen;

11 an outputting unit outputting [[the]] said output signal of [[the]] said personal computer
12 signal generated from [[the]] said signal dispensing unit in response to a control signal for displaying
13 only [[the]] said personal computer signal, and outputting an output signal of [[the]] said signal
14 processing unit in response to a control signal for displaying [[the]] said personal computer signal
15 and [[the]] said video signal in picture-in-picture format; and

16 a monitor amplifying and displaying [[the]] said signal output from [[the]] said outputting
17 unit.

1 11. (Currently Amended) The apparatus of claim 10, further comprising a signal conversion
2 unit for converting [[the]] said picture-in-picture signal output from [[the]] said signal processing
3 unit from a digital signal into an analog signal before a signal is output from [[the]] said outputting

unit.

12. (Currently Amended) The apparatus of claim 10, with [[the]] said decoded video signal input from an outside source, further comprising:

a decoding unit converting [[the]] said video signal into a digital signal and decoding [[the]] said video signal; and

a scan rate conversion unit for converting a scan rate of [[the]] said decoded video signal.

13. (Currently Amended) The apparatus of claim 12, with [[the]] said decoded video signal input from an outside source, further comprising:

a decoding unit converting [[the]] said video signal into a digital signal and decoding [[the]] said video signal; and

a scan rate conversion unit for converting a scan rate of [[the]] said decoded video signal.

14. (Currently Amended) The apparatus of claim 10, further comprised of [[the]] said video signal being selected from the group consisting of a television video signal and a non-broadcasted video signal.

15. (Currently Amended) The apparatus of claim 10, further comprising:

an analog to digital converter unit converting [[the]] said output signal from [[the]] said signal dispensing unit from an analog signal into a digital signal for [[the]] said signal processing

4 unit; and

5 a digital to analog converter unit converting [[the]] said output signal generated from [[the]]

6 said signal dispensing unit from a digital signal into an analog signal for [[the]] said outputting unit.